

AMENDMENT(S) TO THE CLAIMS

1-25 (cancelled)

26. (Currently Amended) A method for the production of a wood-free coated, matt or semi-matt paper web, comprising the steps of:

precalendering the paper web using at least one apparatus for precalendering;

coating at least one side of the paper web by using at least one apparatus for applying one of a liquid and pasty application medium; and

drying the paper web using at least one apparatus for drying the paper web, the method thereby creating the wood-free coated paper web with a roughness level in the range from 0.8 to 3.9 expressed in µm PPS (Parker Print Surf) and a gloss value in the range from 3 to 35 expressed in % TAPPI 75° (Specular Gloss of Paper and Paperboard at 75°), said roughness level and said gloss value in combination having values that lie within a triangularly shaped region defined by a first point, a second point, and a third point, said first point being 0.8 µm roughness level and 3% gloss value, said second point being 0.8 µm roughness level and 35% gloss value, said third point being 3.9 µm roughness level and 3% gloss value.

27. (Currently Amended) The method of claim 26, further comprising the wherein said coating step includes a step of coating the paper web on a first side by way of an other apparatus for applying said one of a liquid and pasty application medium prior to said precalendering step.

28. (Previously Presented) The method of claim 27, wherein said other apparatus is one of a film coating device and a curtain coating device.

29. (Previously Presented) The method of claim 26, wherein said coating step is carried out once on both sides of the paper web prior to said precalendering step, said at least one apparatus for applying one of a liquid and pasty application medium being a film coating device.

30. (Previously Presented) The method of claim 26, wherein said at least one apparatus for applying one of a liquid and pasty application medium includes a first apparatus and a second apparatus each being a curtain coating device.

31. (Canceled)

32. (Previously Presented) The method of claim 27, further comprising the step of conveying the paper web through at least one film press prior to a coating step.

33. (Previously Presented) The method of claim 26, wherein said apparatus for precalendering is one of a shoe calender with at least one extended nip and a smoothing unit, a soft calender with at least one nip and a super calender with at least one nip.

34. (Previously Presented) The method of claim 33, wherein said at least one apparatus for applying one of a liquid and pasty application medium includes a first apparatus that coats a first side of the paper web, said first apparatus being a curtain coating device.

35. (Previously Presented) The method of claim 34, wherein said at least one apparatus for applying one of a liquid and pasty application medium includes a second apparatus that coats a second side of the paper web, said second apparatus being a curtain coating device.

36. (Currently Amended) The method of claim 35, further comprising the step of drying the paper web after said second side of the paper web is coated.

37. (Previously Presented) The method of claim 26, further comprising the step of conveying the paper web through at least one film press prior to said precalendering step.

38. (Currently Amended) The method of claim 26, wherein the paper web is not conveyed through any smoothing apparatus nor is the paper web conveyed through any calendering apparatus after the paper web has been coated by said at least one apparatus for applying one of a liquid and pasty application medium in a running direction [L] (L).

39. (Withdrawn) An arrangement for the production of a wood-free coated, matte or semi-matte paper web, comprising:

at least one precalendering apparatus for precalendering the paper web;  
at least one coating apparatus for applying one of a liquid and pasty application medium to the paper web; and  
at least one dryer for drying the paper web.

40. (Withdrawn) The arrangement of claim 39, wherein said at least one coating apparatus includes a first coating apparatus and a second coating apparatus, said at least one dryer including a first dryer and a second dryer, the paper web moving in a running direction L, said second coating apparatus and said second dryer being upstream from said at least one precalendering apparatus in said running direction L.

41. (Withdrawn) The arrangement of claim 40, wherein said at least one precalendering apparatus includes at least one of a smoothing unit, a soft calender with at least one nip, a super calender with at least one nip and a shoe calender with at least one extended nip.

42. (Withdrawn) The arrangement of claim 41, wherein said at least one precalendering apparatus is said smoothing unit having two hard-cast rollers, which together form a nip.

43. (Previously Presented) The arrangement of claim 41, wherein said at least one precalendering apparatus is said soft calender having one hard-cast roller and one roller equipped with a plastic covering, which together form a nip.

44. (Withdrawn) The arrangement of claim 41, wherein said at least one precalendering apparatus is said super calender having one hard-cast roller and one paper roller, which together form a nip.

45. Withdrawn) The arrangement of claim 39, wherein said at least one coating apparatus is one of which makes contact with the paper web and one which works in a non-contact mode.

46. (Withdrawn) The arrangement of claim 45, wherein said at least one coating apparatus is one of a jet flow coating device and a film coating device.

47. (Withdrawn) The arrangement of claim 45, wherein said at least one coating apparatus is one of a curtain coating device and a spray coating device.

48. (Withdrawn) The arrangement of claim 39, wherein said at least one dryer is at least one of an impingement dryer and an IR drying unit.

49. (Withdrawn) The arrangement of claim 39, further comprising at least one film press arranged in a running direction (L) of the paper web upstream from at least one of said at least one precalendering apparatus and said at least one coating apparatus.

50. (Withdrawn) The arrangement of claim 39, wherein the arrangement forms a unit with a paper machine.

51. (Withdrawn) The arrangement of claim 39, wherein neither a smoothing nor a calendering apparatus is arranged, in a running direction L of the paper web, upstream from said precalendering apparatus and said coating apparatus.

52. (New) A method for producing a wood-free, coated, matte or semi-matte paper web, comprising the steps of:

precalendering the paper web by means of at least one device for precalendering;  
coating the paper web after the precalendering step on at least one side of the paper web by means of at least one device for the application of liquid or pasty application medium; and  
drying the paper web by means of at least one device for drying, after the paper web has

passed through said at least one device for the application of liquid or pasty application medium in a running direction (L) of the paper web, the paper web is no longer led through any further smoothing or calendering device, and the wood-free coated paper web is produced having a roughness in the range from 0.8-3.9  $\mu\text{m}$  PPS (Parker Print Surf) and a gloss in the range from 3-35% TAPPI 75° (Specular Gloss of Paper and Paperboard at 75°).